

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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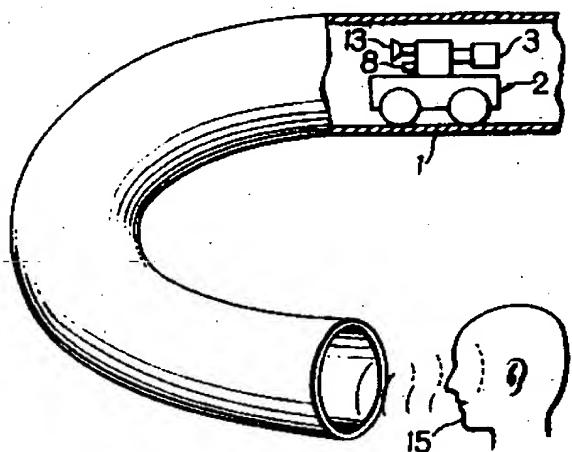
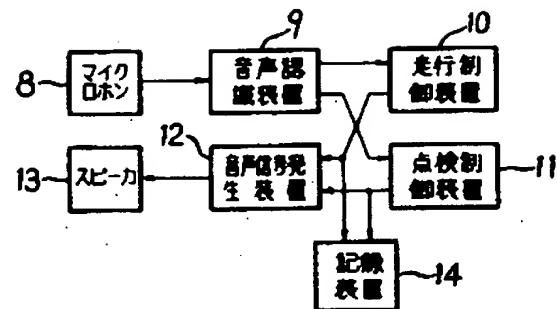
APPLICATION DATE : 28-01-82  
 APPLICATION NUMBER : 57012139

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TITLE : INSPECTING DEVICE FOR INSIDE OF STRUCTURE



**ABSTRACT :** PURPOSE: To eliminate the need for cables, etc. and to reduce the size of an inspecting device and the working time for inspection by communicating a traveling control device for a battery-driven inspecting wheel and an inspection control device and the end of a structure with each other by mutual audio response.

**CONSTITUTION:** A voice command from one end of a structure 1 is transmitted to the microphone 8 of a battery-driven inspecting wheel 2 and is converted to an electric signal with a voice recognizer 9. A traveling control device 10 and an inspecting and controlling device 11 for the wheel 2 responds to said signal by voice whereby the traveling of the wheel 2 and the inspection of the structure 1 by a TV camera 3 are controlled. The positions and results of inspections with the devices 10, 11 respectively are recorded in a recorder 14, and these signals are converted to voices by a voice signal generator 12, and are responded by voices to the end of the structure through a speaker 13. By such constitution which does not require cables, cable cars, etc., the size of the inspecting device in the structure and the time for the inspecting work are reduced.

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